

US 5/NB RAMPS **NIC/TOD STEP PROGRAMMING PERIODS OF OPERATION (NON-CLOSURE)**

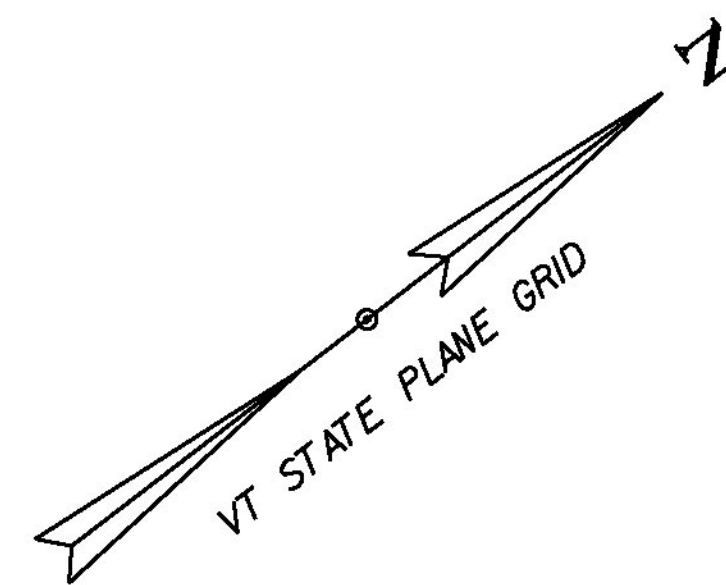
WEEK PROG	DAY OF WEEK						
	SUN	MON	TUE	WED	THU	FRI	SAT
WEEK 1	5	6	6	6	6	6	5
STEP	PROGRAM	TIME	C/O/S	FL	MAX		
1	5	0:00	0/0/1		2	3	
2	5	6:00	0/0/1		X		
3	5	10:00	2/1/1				
4	5	17:00	0/0/1		X		
5	6	0:00	0/0/1				
6	6	6:00	1/1/1				
7	6	9:00	2/1/1				
8	6	16:00	3/1/1				
9	6	18:00	0/0/1		X		

COORDINATOR C/O/S PROGRAMMING DATA

	C/O/S 1/1/1		C/O/S 2/1/1		C/O/S 3/1/1	
	SECS	%	SECS	%	SECS	%
CYCLE LENGTH	80		80		110	
OFFSET (Begin Green)	23	29%	22	28%	24	22%
SPLIT TIME ϕ 1	15	19%	16	20%	18	16%
SPLIT TIME ϕ 2	28	35%	34	43%	55	50%
SPLIT TIME ϕ 3	37	46%	30	38%	37	34%
SPLIT TIME ϕ 4	0	0%	0	0%	0	0%
SPLIT TIME ϕ 5	0	0%	0	0%	0	0%
SPLIT TIME ϕ 6	43	54%	50	63%	73	66%
SPLIT TIME ϕ 7	0	0%	0	0%	0	0%
SPLIT TIME ϕ 8	0	0%	0	0%	0	0%

COORDINATION NOTES:

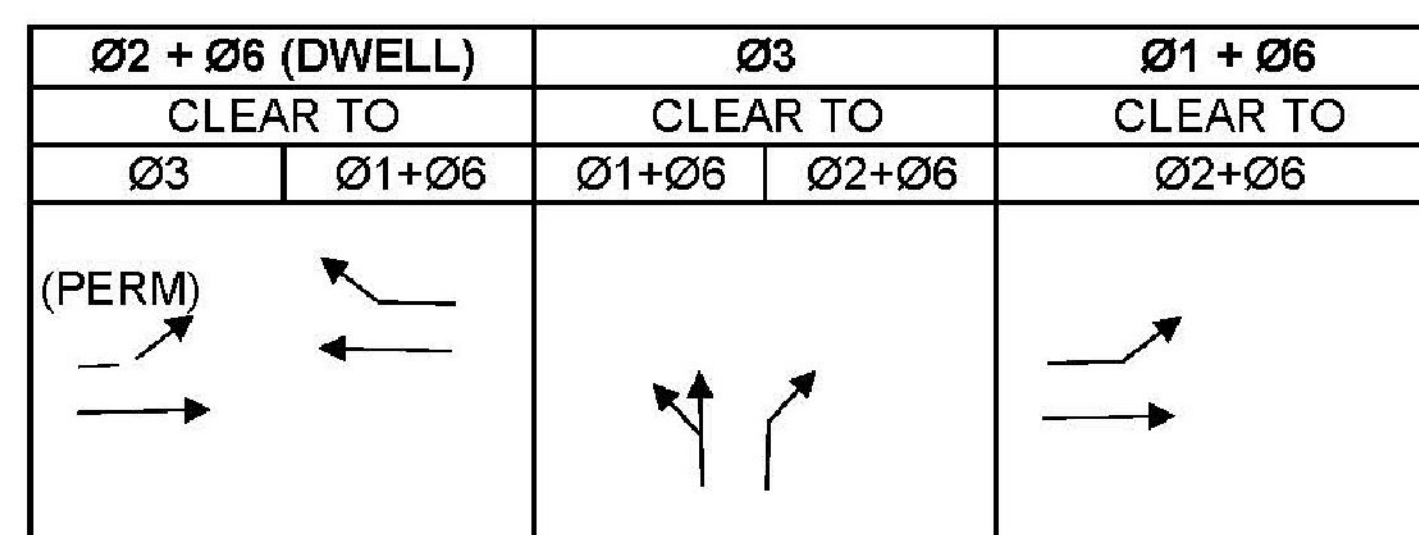
1. OFFSET IS REFERENCED TO THE BEGINNING OF THE COORDINATED (ϕ 2+ ϕ 6) PHASE GREEN.
2. FORCE OFFS SHALL BE SET TO FIXED.



US 5/NB RAMPS **NIC/TOD STEP PROGRAMMING PERIODS OF OPERATION (CLOSURE)**

WEEK PROG	DAY OF WEEK						
	SUN	MON	TUE	WED	THU	FRI	SAT
WEEK 2	2	2	2	2	2	2	2
STEP	PROGRAM	TIME	C/O/S	FL	MAX		
10	2	0:00	0/0/1		2	3	X

NEMA PHASE SEQUENCE



LIST OF MAJOR EQUIPMENT

EQUIPMENT ITEM 678.40	QUANTITY
POWER METER ON STANCHION	1
BREAKER PANEL ON STANCHION	1
TRAFFIC SIGNAL CONTROLLER (NEMA TS2)	1
NEMA POLE MOUNTED CONTROLLER CABINET WITH ANCILLARY CONTROL EQUIPMENT	1
WESTERN RED CEDAR OR SOUTHERN PINE WOODEN STRAIN POLE	3
ONE WAY, 3-SECTION, 12-INCH POLYCARBONATE LED TRAFFIC SIGNAL HEAD WITH TUNNEL VISORS AND 5" LOUVERED BACK-PLATES	7
ONE WAY, 4-SECTION, 12-INCH POLYCARBONATE LED TRAFFIC SIGNAL HEAD WITH TUNNEL VISORS AND 5" LOUVERED BACK-PLATES	1
SPECIAL PROVISION, (GPS TIME CLOCK)	1
STOP BAR DETECTOR	3

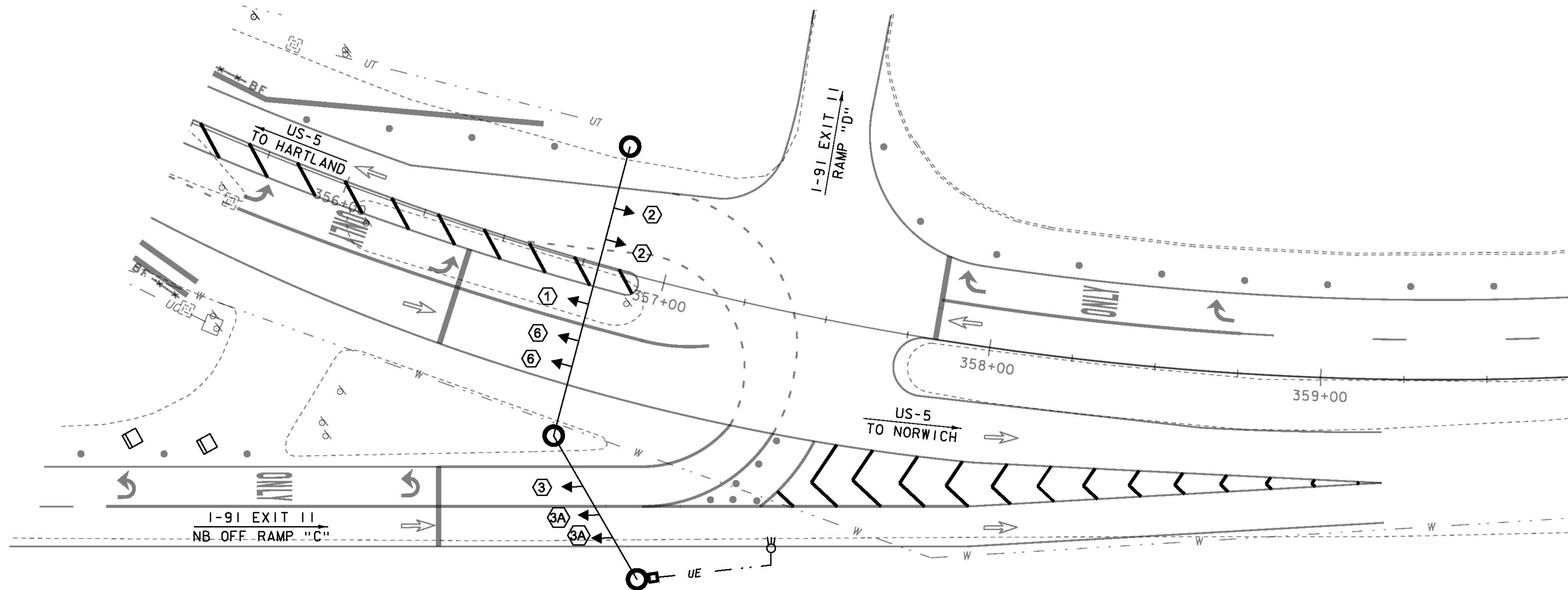
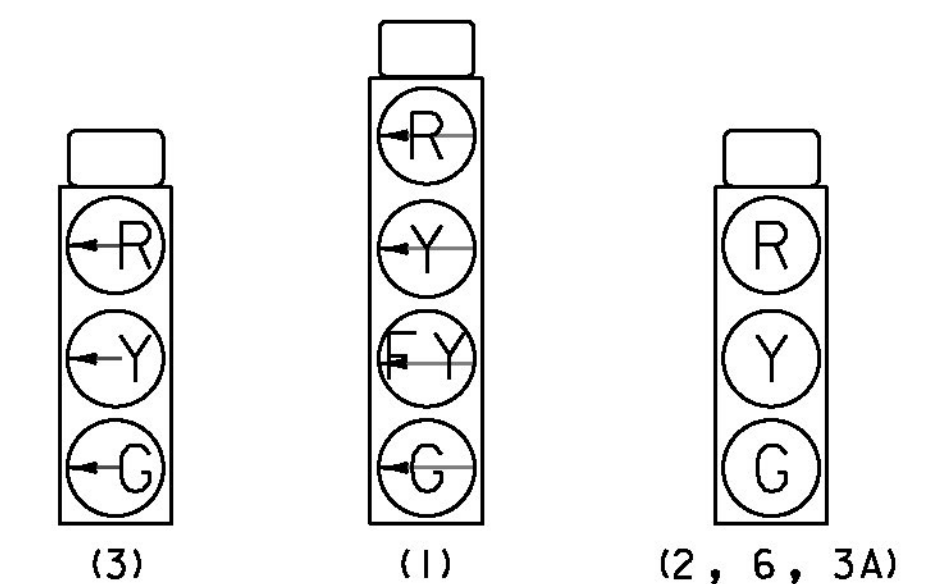
CONTROLLER TIMING CHART

US ROUTE 5 & NORTHBOUND RAMPS							
PHASE	5NL	5ST	9IN	9IN	5NT		
TRAFFIC MOVEMENT	←	←	←	→	→		
MINIMUM GREEN	5	10	10	10	10		
MAXIMUM 1 GREEN	10	40	30	30	40		
MAXIMUM 2 GREEN	15	50	35	35	50		
MAXIMUM 3 GREEN	15	40	60	60	40		
YELLOW CLEARANCE	4.0	4.0	4.0	4.0	4.0		
ALL RED CLEARANCE	2.0	2.0	2.0	2.0	2.0		
VEH. EXTENSION	3.0	3.0	3.0	3.0	3.0		
RECALL MODE	OFF	MIN	OFF	OFF	MIN		

NOTES:

- 1) CONTROLLER SHALL BE INITIALLY PROGRAMMED AND FINE-TUNED BASED ON PREVAILING FIELD CONDITIONS FOR MAXIMUM 1, MAXIMUM 2, AND COORDINATOR PROGRAMMING BY TIME-OF-DAY DURING NON-CLOSURE.
- 2) CONTROLLER SHALL BE INITIALLY PROGRAMMED AND FINE-TUNED BASED ON PREVAILING FIELD CONDITIONS FOR MAXIMUM 3 PROGRAMMING 24 / 7 DURING CLOSURE.

SIGNAL FACE ARRANGEMENT W/PHASE NUMBERS



US5 TEMPORARY TRAFFIC SIGNAL PLAN 2

SCALE 1" = 20' - 0"
20 0 20

PROJECT NAME: HARTFORD
PROJECT NUMBER: IM 09I-2(79)

FILE NAME: s12a132bdr_r+e5_sig.dgn PLOT DATE: 15-DEC-2014
PROJECT LEADER: K. HIGGINS DRAWN BY: J. SALVATORI
DESIGNED BY: J. SALVATORI CHECKED BY: I. DEGUTIS
US5 TEMPORARY TRAFFIC SIGNAL PLAN 2 SHEET 48 OF 166